DevOpsSchool

Course curriculum · November 2026

LEVEL 03 OF 04 · INTERMEDIATE

Openpolicyagent Intermediate Training

Deliver signed policy bundles, integrate OPA with Envoy, gateways and Kubernetes, and monitor and secure OPA in production.

LIVE ONLINE **Max 8-10 hours**	CORPORATE (DAY-WISE) **3 days · Days 1-3**	SELF-PACED VIDEO **1-year LMS access**
BATCH SIZE **Max 10 learners**	NEXT BATCHES **1st of every month · weekends: first Saturday**	CERTIFICATE **Verifiable certificate of completion**

Foundation	Essential	Intermediate	Advanced
1 day · Included	2 days · Included	3 days · This curriculum	5 days · Next step

INSIDE THIS CURRICULUM

What you will achieve	Outcomes and level focus
Who should attend	Audience and prerequisites
Agenda	34 topics · Foundation to Intermediate
Hands-on labs	3 labs
Formats and fees	Live, 1:1, self-paced, corporate
Trainer and reviews	Rajesh Kumar
Enrolment	Batches, payment, contacts

WHY DEVOPSSCHOOL

- Rated 4.6 on Google
- 1,500+ verifiable certificates issued in the public registry
- Trainer Rajesh Kumar: 20 years in industry
- Small batches: max 10 learners, every session recorded

Course page: www.devopsschool.com/courses/openpolicyagent/openpolicyagent-intermediate-training.html
Talk to us: WhatsApp +91 99057 40781 · +1 (469) 756-6329 · contact@DevOpsSchool.com · reply within 1 hour

OUTCOMES

What you will achieve

By the end of the Openpolicyagent course path, you will be able to:

1

Master the Rego language

Write, test and debug Rego policies for real authorization and compliance rules.

2

Integrate OPA everywhere

Connect OPA to applications, gateways, service meshes, Kubernetes and pipelines.

3

Operate policy as platform

Run OPA with signed bundles, monitoring, high availability and governed change.

WHAT THE INTERMEDIATE LEVEL ADDS

Bundles, integrations, monitoring and security

Hands-on: Authorize traffic through Envoy. Serve signed bundles to OPA sidecars next to Envoy, authorize requests by path, method and JWT claims and export decision logs and metrics.

WHO SHOULD ATTEND

- Regular Openpolicyagent users who want to automate, integrate and manage it at a deeper level.
- Specialists who support Openpolicyagent for colleagues or customers.
- Leads preparing Openpolicyagent for wider use across projects.

BEFORE YOU START

- The Essential level, or equivalent hands-on experience.
- You can already: Apply RBAC and ABAC patterns, validate JWTs, test policies and call OPA as a decision service from your applications.
- Basic computer skills and a laptop with a stable internet connection for the live sessions and labs.
- This curriculum includes every earlier level, so it is complete on its own.

AGENDA · FOUNDATION TO INTERMEDIATE

Openpolicyagent Intermediate Training agenda

34 topics. Each level builds on the one before it, so this curriculum lists every earlier level in full. Days are for corporate (day-wise) delivery; live online batches cover the same agenda in max 8-10 hours.

DAY 1 — Foundation: OPA concepts, CLI and Rego essentials

Included from Foundation

1. Authorization challenges: hard-coded rules, inconsistent checks and audit gaps that OPA addresses
2. OPA decision flow: services send JSON input, OPA evaluates policy plus data and returns a decision
3. Deployment models: sidecar, host daemon, Go library and Wasm, with latency trade-offs
4. Installation: opa binary, Homebrew, the openpolicyagent/opa container image and opa version
5. The opa CLI: run, eval, test, fmt, check, build, inspect and bench subcommands
6. Rego syntax in OPA 1.x: package, import, default, if, contains and else
7. Rule types: complete rules, partial set and object rules and functions
8. Working with JSON: arrays, objects, sets, references and walking nested input
9. Iteration and quantifiers: some ... in, every and comprehensions over collections
10. Interactive learning: the opa run REPL, Rego Playground and editor tooling
11. First decisions: role-based access control with users, roles and permissions held in data.json

DAY 2 — Essential: Rego patterns, testing and policy as a service

Included from Essential

12. RBAC and ABAC patterns: role bindings plus attribute checks on owner, department and time of day
13. JWT handling: io.jwt.decode, io.jwt.decode_verify with JWKS keys and claims-based decisions
14. Testing policies: test rules, fixture data, with overrides and opa test -v
15. Formatting and linting: opa fmt, opa check and Regal in editors and CI
16. OPA REST API: POST /v1/data queries, the policy API, health endpoint and configuration file basics
17. Application integration: calling OPA from Python, Java or Node.js services and caching decisions
18. Rich decisions: returning allow, reasons and obligations objects instead of plain booleans
19. Loading policy and data: files, directories, HTTP bundles and data refresh strategies
20. Version control workflow: policy repositories, code review and semantic versioning of policy packages
21. Infrastructure checks with Conftest: Terraform plans, Kubernetes manifests and Dockerfiles in CI
22. Debugging decisions: --explain notes, print statements and tracing

DAY 3 — Intermediate: Bundles, integrations, monitoring and security

New at this level

23. Bundle service: building bundles, manifest revisions, delta bundles, polling and long polling
24. Bundle signing: keys configuration, signatures.json and rejecting unsigned bundles
25. Decision logs: configuration, masking and drop rules and delivery to an HTTP collector
26. Status and monitoring: Prometheus metrics endpoint, health checks with bundle and plugin status
27. Envoy and Istio authorization: ext_authz over gRPC with opa-envoy-plugin, path and method checks
28. Kubernetes admission: kube-mgmt compared with Gatekeeper and replicating cluster data into OPA
29. API gateway integration: Kong and Envoy-based gateways delegating authorization to OPA
30. Data filtering basics: partial evaluation through the Compile API to build SQL WHERE clauses

31. External data: http.send with caching and timeouts, and pushing data through the Data API
32. CI/CD policy gates: pipeline approval rules, Terraform tag and cost policies
33. Securing OPA: TLS, token authentication and a system.authz policy for OPA's own API
34. Troubleshooting: conflicting complete rules, undefined versus false results and evaluation errors

PRACTICE

Hands-on labs

You build these yourself during the course, guided by the trainer.

FOUNDATION

Model RBAC in Rego

Load users, roles and permissions as data and write a Rego policy that answers who can perform which action on which resource.

ESSENTIAL

Run OPA as an authorization service

Run OPA as a server, have a small REST API call it for JWT-based ABAC decisions and cover the policy with unit tests.

INTERMEDIATE

Authorize traffic through Envoy

Serve signed bundles to OPA sidecars next to Envoy, authorize requests by path, method and JWT claims and export decision logs and metrics.

HOW YOU CAN LEARN

Formats and fees

The same agenda in four formats. Fees are in Indian rupees as of November 2026; the course page shows them in your currency.

FORMAT	DURATION	WHAT YOU GET	FEE
Live & interactive (online)	Max 8-10 hours	Instructor-led public batch of max 10 learners with demos, labs, Q&A and assignment review. Weekday batches start on the 1st of every month, weekend batches on the first Saturday of every month.	**INR 34,999**
1:1 live training (online)	Max 8-10 hours, one-to-one	The same agenda, taught one-to-one by the trainer. Starts immediately, without waiting for the next batch; sessions planned around your working hours, at your pace.	**INR 99,999**
Self-paced video	1-year LMS access	All four Openpolicyagent levels, plus 20+ more courses and 50+ tools, at your own pace.	**INR 833/month** billed yearly at INR 9,996
Corporate (day-wise)	3 days for this level	A private batch for your team, on demand. Foundation 1 day, Essential 2, Intermediate 3, Advanced 5 (cumulative).	**Quote on request**

ASSESSMENT AND CERTIFICATE

Your progress is checked through hands-on labs and assignments at every level. On completion you receive a DevOpsSchool certificate of completion with a unique credential ID that anyone can verify at devopsschool.com/certificates.

INCLUDED WITH EVERY LIVE BATCH

- Every live session is recorded and stays in your LMS for a year.
- Can't attend your batch? Move to next month's batch.
- Free demo class before you pay.
- Free 10-15 minute call with an advisor or the trainer to check the course fits you.

YOUR TRAINER

Learn from Rajesh Kumar

Principal Architect, trainer and mentor in DevOps, SRE, DevSecOps and platform engineering, with 20 years across 8+ software MNCs, including Staff DevOps/SRE Engineer for a leading Japanese mobile-payment platform and Principal DevOps Architect and Manager in Europe.

Profile: www.rajeshkumar.xyz · Videos: youtube.com/@TheDevOpsSchool

20 years in industry	**200+** corporate trainings
10,000+ engineers mentored	**70+** organisations coached

REVIEWS

What learners say

Rated 4.6 on Google · more reviews at devopsschool.com/testimonials and in our video testimonials.

> “Rajesh is very good trainer. Rajesh was able to resolve our queries and question effectively. We really liked the hands-on examples covered during this training program.”
>
> Indrayani, India

> “The training was very useful and interactive. Rajesh helped develop the confidence of all.”
>
> Abhinav Gupta, Pune

START YOUR OPENPOLICYAGENT TRAINING

Join the next batch

Weekday batches start on the 1st of every month and weekend batches on the first Saturday of every month, with max 10 learners each. 1:1 training can start immediately; corporate batches run on demand. We reply within 1 hour.

Pay by UPI, credit and debit cards, net banking or PayPal. Before you pay, read our refund policy. All levels of this course: www.devopsschool.com/courses/openpolicyagent/

ENROL OR RESERVE A SEAT
Openpolicyagent Intermediate Training

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Next step after this level: Openpolicyagent Advanced Training - Engineer fast, extensible and highly available OPA deployments and run policy as a governed, audited platform.